

Justin Siu

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EDUCATION

City University of Hong Kong

June 2026

BEng, Electrical Engineering, Major in Computer and Data Engineering

Hong Kong

- Teaching helper in a cryptography and blockchain course that is offered to local gifted education students.
- Dean's List - 2025 1st Semester.
- Final Year Project Student at CALAS

Czech Technical University in Prague

Feb. 2025 – Jun. 2025

Student Exchange

Czech Republic

WORK EXPERIENCE

Alphotonics

Feb. 2023 – Aug. 2023

Design Engineer Intern - Robotics and STEM Product Development

Hong Kong

- As a Design Engineer, my primary focus is on creating innovative and functional solutions through the application of engineering principles and design techniques.
 - Contributed to the **development of STEM product kits**, including a **robotic car and robotic arm incorporating AI and computer vision**.
 - **Designed a self-automated robotic arm** by integrating AI and computer vision **individually**.
 - Proficient in **Blender3D** for creating accurate 3D models, 3D animations and 3D printing.
 - Knowledgeable in **engineering principles, materials selection, and manufacturing processes**.
 - Collaborated with different parties to execute projects.
- Also involved in **teaching local secondary school's students** and **designing** the related **course materials** and manuals for all users.
- **Familiar with IoT devices** including Arduino, Bluetooth Low Energy (BLE), different sensors.

AHKKPCM

Jul. 2021 – Jun. 2024

IT Consultant / Librarian

Hong Kong

- Maintaining all technical equipments in the organization.
 - Network Configuration
 - Computer Maintenance
 - Hardware Maintenance (incl. AV system, Projectors)
 - Software Deployment
- Construction and maintenance of the library web application for members.

China Mobile Hong Kong Company Limited

Jun. 2024 – Dec. 2024

Intern (Product Centre – Cloud Product)

Hong Kong

- Delivering education products
- Providing feedback and improving current products

China Mobile Hong Kong Company Limited

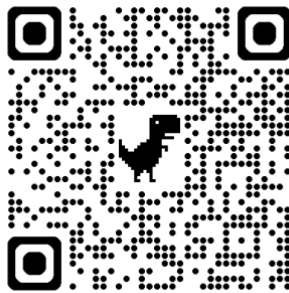
Jul. 2025 – Present

Intern (Product Centre – Cloud Product)

Hong Kong

CERTIFICATIONS, SKILLS & INTERESTS

- **Publications:**
 - Sum, K. C., Ng, K.-H., **Siu, S.-T.**, Chui, H.-Y., Au, C.-L., & Li, C. F.. AI Assisted Microcontroller Based Kits For STEM Education. 2024 IEEE Integrated STEM Education Conference (ISEC).
 - Kam C. Sum, Gabriel K. Wong, **Siu-Ting Siu**, Ho-Yin Chui, Cheuk-Lut Au , & Chiu F. Li. AI Machine Vision Based Robotic Arm For Pre-University Education. 2025 IEEE Integrated STEM Education Conference (ISEC).
 - **Certifications:**
 - 98-381: MTA: Introduction to Programming using Python, 29 Oct 2020
 - **Skills:** Programming in **Python, Java and C++**; **Web development** using bootstrap; 3D modelling and animation using **Blender3D**; **Arduino**; Network infrastructure; Computer hardware debugging; Photography; **SageMath**
- IELTS**
IELTS Academic 1st June 2024
Reading: 8.0; Listening: 8.5; Writing: 6.5; Speaking: 6.5; Overall: 7.5
- **Awards:**
 - 2019 Genius Olympiad Silver Award – Smart Baby Stroller, representing Hong Kong
 - Hong Kong Student Science Project Competition 2019 - Energy, Engineering and Environment Award – Smart Baby Stroller
 - Hong Kong Student Science Project Competition 2019 – Honorable Mention – Smart Baby Stroller
 - 2025 IEEE ISEC - (**Best Paper Award** – Work in Progress Papers) – 1ST Place
 - **Interests:** Creating new products using computer vision and AI; Developing on IoT platform including Arduino and Raspberry Pi; Photography; Surfing; Computer Hardware



Personal Website



Github